Safety Data Sheet  
Correct VPS Tray Adhesive

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier  
Product name : Correct VPS Tray Adhesive

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses
Main use category : Professional use
Function or use category : Dental materials

Uses advised against
No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier
Kerr Italia S.r.l.
Via Passanti, 332
84018 Scafati (SA) - Italy
T +39-081-850-8311
E-mail: safety@kavokerr.com

Manufacturer
PENTRON CLINICAL
1717 West Collins Avenue
Orange, CA 92867, USA
T +1-800-5377-123
E-mail: safety@kavokerr.com

Contact person : safety@kavokerr.com - tel. +41916100505 (08.00-17.00)

1.4. Emergency telephone number

Emergency number : CHEMTREC® Emergency Call Center. Emergency Telephone Number (for USA only) 001-800-424-9300 International and Maritime Telephone Number +1 (703) 527-3887

<table>
<thead>
<tr>
<th>Country</th>
<th>Organisation/Company</th>
<th>Address</th>
<th>Emergency number</th>
</tr>
</thead>
<tbody>
<tr>
<td>United Kingdom</td>
<td>National Poisons Information Service (Newcastle Unit)</td>
<td>Claremont Place Newcastle-upon-Tyne, Newcastle</td>
<td>+44 191 2606182/+44 191 2606180 24H</td>
</tr>
</tbody>
</table>

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]
Flam. Liq. 2  
H225
Skin Irrit. 2  
H315
Eye Irrit. 2  
H319
Repr. 2  
H361f
STOT SE 3  
H336
STOT RE 2  
H373
Asp. Tox. 1  
H304
Aquatic Chronic 2  
H411

Full text of hazard classes and H-statements : see section 16

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]
Hazard pictograms (CLP) :

| GHS02 | GHS07 | GHS08 | GHS09 |

Signal word (CLP) : Danger
Hazardous ingredients : n-hexane
Hazard statements (CLP):

- H225 - Highly flammable liquid and vapour
- H304 - May be fatal if swallowed and enters airways
- H315 - Causes skin irritation
- H319 - Causes serious eye irritation
- H336 - May cause drowsiness or dizziness
- H361f - Suspected of damaging fertility
- H373 - May cause damage to organs (nervous system, peripheral nervous system) through prolonged or repeated exposure
- H411 - Toxic to aquatic life with long lasting effects

Precautionary statements (CLP):

- P201 - Obtain special instructions before use
- P210 - Keep away from open flames, sparks, heat, hot surfaces. - No smoking
- P233 - Keep container tightly closed
- P403+P235 - Store in a well-ventilated place. Keep cool
- P405 - Store locked up
- P280 - Wear eye protection, protective gloves, protective clothing
- P337+P313 - If eye irritation persists: Get medical advice/attention
- P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting
- P260 - Do not breathe spray, gas, fume, mist
- P308+P313 - IF exposed or concerned: Get medical advice/attention
- P314 - Get medical advice/attention if you feel unwell
- P273 - Avoid release to the environment
- P391 - Collect spillage
- P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

Extra phrases:

- The product is seen as a medical device and therefore not subject to labelling (EU-regulation 1907/2006, article 2, paragraph 6c)

2.3. Other hazards

Other hazards not contributing to the classification: None under normal conditions.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>Classification according to Regulation (EC) No. 1272/2008 [CLP]</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-hexane</td>
<td>(CAS No) 110-54-3</td>
<td>60 - 100</td>
<td>Flam. Liq. 2, H225 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361f STOT SE 3, H336 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 2, H411</td>
</tr>
</tbody>
</table>

Specific concentration limits:

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>Specific concentration limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>n-hexane</td>
<td>(CAS No) 110-54-3</td>
<td>(C &gt;= 5) STOT RE 2, H373</td>
</tr>
</tbody>
</table>

Full text of H-statements: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

- First-aid measures general: If medical advice is needed, have product container or label at hand.
- First-aid measures after inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Artificial respiration if indicated. Get medical advice/attention.
- First-aid measures after skin contact: Gently wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
First-aid measures after ingestion: Do NOT induce vomiting. Get immediate medical advice/attention. Drink plenty of water. If swallowed, rinse mouth with water (only if the person is conscious).

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/injuries: Suspected of damaging fertility.
Symptoms/injuries after inhalation: May cause drowsiness or dizziness.
Symptoms/injuries after skin contact: Causes skin irritation.
Symptoms/injuries after eye contact: Causes serious eye irritation.
Symptoms/injuries after ingestion: May be fatal if swallowed and enters airways.
Chronic symptoms: Repeated and prolonged exposure to solvents may cause permanent damage to the central nervous system and internal organs such as the liver and kidneys.

4.3. Indication of any immediate medical attention and special treatment needed
In all cases of doubt, or when symptoms persist, seek medical attention. Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media
Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire. Foam, carbon dioxide (CO2) and powder.
Unsuitable extinguishing media: Do not use a heavy waterstream.

5.2. Special hazards arising from the substance or mixture
Fire hazard: Highly flammable liquid and vapour. Vapours are heavier than air and spread above ground.
Explosion hazard: Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

5.3. Advice for firefighters
Firefighting instructions: Evacuate area. Move containers away from the fire area if this can be done without risk. Use water spray or fog for cooling exposed containers.
Protection during firefighting: Do not enter fire area without proper personal protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
General measures: Remove ignition sources. No open flames. No smoking. Use special care to avoid static electric charges. Do not eat, drink or smoke in areas where product is used. Avoid contact with skin and eyes. Do not breathe vapour.

For non-emergency personnel
Protective equipment: See Heading 8.
Emergency procedures: Evacuate unnecessary personnel.

For emergency responders
No additional information available

6.2. Environmental precautions
Discharging into rivers and drains is forbidden.

6.3. Methods and material for containment and cleaning up
For containment: Collect all waste in suitable and labelled containers and dispose according to local legislation.
Methods for cleaning up: Take up liquid spill into absorbent material. Take up large spills with pump or vacuum and finish with dry chemical absorbent. Notify authorities if product enters sewers or public waters.

6.4. Reference to other sections
For further information refer to section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling
Precautions for safe handling: Obtain special instructions before use. Do not eat, drink or smoke when using this product. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Provide good ventilation in process area to prevent formation of vapour. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Do not breathe vapours.

Hygiene measures: Always wash hands after handling the product. Do not eat, drink or smoke when using this product. Remove contaminated clothes. Wash contaminated clothing before reuse.
7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep only in original container. Keep container tightly closed. Store in a dry place. Store in a well-ventilated place.


Storage temperature: 20 - 25 °C

7.3. Specific end use(s)

Consult the supplier for further information.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

<table>
<thead>
<tr>
<th>n-hexane (110-54-3)</th>
<th>United Kingdom</th>
<th>Local name</th>
<th>n-Hexane</th>
</tr>
</thead>
<tbody>
<tr>
<td>United Kingdom</td>
<td>WEL TWA (mg/m³)</td>
<td>72 mg/m³</td>
<td></td>
</tr>
<tr>
<td>United Kingdom</td>
<td>WEL TWA (ppm)</td>
<td>20 ppm</td>
<td></td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Appropriate engineering controls: Ensure good ventilation of the work station. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

Personal protective equipment: Gloves. Safety glasses.

Hand protection: Wear suitable gloves. Protective gloves made of PVA, Viton, Nitrile rubber. Layer thickness: 0,09mm. Breakthrough time: >480 min. STANDARD EN 374

Eye protection: Use splash goggles when eye contact due to splashing is possible. STANDARD EN 166

Skin and body protection: Wear suitable protective clothing

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment. Extra personal protection: A/P2 filter respirator for organic vapour and harmful dust. Standard EN 143

Other information: Personal protective equipment should be chosen according to the CEN standards and in discussion with the supplier of the protective equipment. Do not eat, drink or smoke during use. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state: Liquid

Colour: Green. Blue.

Odour: Hexane.

Odour threshold: No data available

pH: No data available

Relative evaporation rate (butylacetate=1): No data available

Melting point: No data available

Freezing point: No data available

Boiling point: 67.78 °C

Flash point: -23.33 °C

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Flammability (solid, gas): No data available

Vapour pressure: < 24kPa

Relative vapour density at 20 °C: No data available

Relative density: No data available

Density: 0.8 g/cm³

Solubility: Insoluble in water.

Log Pow: No data available

Viscosity, kinematic: ≈ 0.375 mm²/s
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : Highly flammable liquid and vapour.
Explosive limits : No data available

9.2. Other information
No additional information available

SECTION 10: STABILITY AND REACTIVITY

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

10.2. Chemical stability
Stable under normal conditions.

10.3. Possibility of hazardous reactions
No polymerization.

10.4. Conditions to avoid
No flames, no sparks. Eliminate all sources of ignition. Keep away from heat and direct sunlight.

10.5. Incompatible materials
Oxidizing agent. Halogens.

10.6. Hazardous decomposition products
No decomposition if stored normally.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
Acute toxicity : Not classified
On ingestion:
Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination
May cause gastrointestinal irritation, nausea, vomiting and diarrhoea

<table>
<thead>
<tr>
<th>n-hexane (110-54-3)</th>
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</thead>
<tbody>
<tr>
<td>LD50 oral rat</td>
<td>15000 mg/kg</td>
</tr>
<tr>
<td>LC50 inhalation rat (Dust/Mist - mg/l/4h)</td>
<td>170 mg/l/4h</td>
</tr>
<tr>
<td>Skin corrosion/irritation :</td>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td>Serious eye damage/irritation :</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td>Respiratory or skin sensitisation :</td>
<td>Not classified</td>
</tr>
<tr>
<td>Germ cell mutagenicity :</td>
<td>Not classified</td>
</tr>
<tr>
<td>Carcinogenicity :</td>
<td>Not classified</td>
</tr>
<tr>
<td>Reproductive toxicity :</td>
<td>Suspected of damaging fertility.</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure) :</td>
<td>May cause drowsiness or dizziness.</td>
</tr>
<tr>
<td>Specific target organ toxicity (repeated exposure) :</td>
<td>May cause damage to organs (nervous system, peripheral nervous system) through prolonged or repeated exposure.</td>
</tr>
<tr>
<td>Aspiration hazard :</td>
<td>May be fatal if swallowed and enters airways.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Correct VPS Tray Adhesive</th>
</tr>
</thead>
<tbody>
<tr>
<td>Viscosity, kinematic</td>
</tr>
</tbody>
</table>

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity
Ecology - water : Toxic to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>n-hexane (110-54-3)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LC50 fish 1</td>
<td>2.5 mg/l (96 hours - Pimephales promelas)</td>
</tr>
<tr>
<td>EC50 Daphnia 1</td>
<td>2.1 mg/l (48 hours - Daphnia magna)</td>
</tr>
<tr>
<td>IC50 algae</td>
<td>0.3 mg/l</td>
</tr>
</tbody>
</table>
12.2. Persistence and degradability

**Correct VPS Tray Adhesive**

| Persistence and degradability | No data available. |

12.3. Bioaccumulative potential

**Correct VPS Tray Adhesive**

<table>
<thead>
<tr>
<th>Bioaccumulative potential</th>
<th>No data.</th>
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</thead>
<tbody>
<tr>
<td>n-hexane (110-54-3)</td>
<td></td>
</tr>
<tr>
<td>Bioconcentration factor (BCF REACH)</td>
<td>199.53</td>
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<tr>
<td>Log Pow</td>
<td>4.11</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil

**Correct VPS Tray Adhesive**

| Ecology - soil | No data. |

12.5. Results of PBT and vPvB assessment

**Correct VPS Tray Adhesive**

| This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII |
| This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

12.6. Other adverse effects

| Other adverse effects | None to our knowledge. |
| Additional information | No other effects known |

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1. Waste treatment methods

- Regional legislation (waste) : Dispose as hazardous waste.
- Waste treatment methods : Recover the product with absorbent material. Dispose of contents/container in accordance with licensed collector’s sorting instructions.
- Waste disposal recommendations : Dispose of contents/container to an authorised waste collection point.
- Ecology - waste materials : Avoid release to the environment.
- European List of Waste (LoW) code : 18 01 06* - chemicals consisting of or containing dangerous substances 08 04 09* - waste adhesives and sealants containing organic solvents or other dangerous substances 20 01 27* - paint, inks, adhesives and resins containing dangerous substances

### SECTION 14: TRANSPORT INFORMATION

In accordance with ADR / RID / IMDG / IATA / ADN

#### 14.1. UN number

- UN-No. (ADR) : 1133
- UN-No. (IMDG) : 1133
- UN-No. (IATA) : 1133
- UN-No. (RID) : 1133

#### 14.2. UN proper shipping name

- Proper Shipping Name (ADR) : ADHESIVES
- Proper Shipping Name (IMDG) : ADHESIVES
- Proper Shipping Name (IATA) : Adhesives
- Proper Shipping Name (RID) : ADHESIVES
- Transport document description (ADR) : UN 1133 ADHESIVES (n-hexane), 3, II, (D/E), ENVIRONMENTALLY HAZARDOUS
- Transport document description (IMDG) : UN 1133 ADHESIVES, 3, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS

#### 14.3. Transport hazard class(es)

**ADR**

- Transport hazard class(es) (ADR) : 3
- Danger labels (ADR) : 3
IMDG
Transport hazard class(es) (IMDG) : 3
Danger labels (IMDG) : 3

IATA
Transport hazard class(es) (IATA) : 3
Hazard labels (IATA) : 3

RID
Transport hazard class(es) (RID) : 3
Danger labels (RID) : 3

14.4. Packing group
Packing group (ADR) : II
Packing group (IMDG) : II
Packing group (IATA) : II
Packing group (RID) : II

14.5. Environmental hazards
Dangerous for the environment : Yes
Marine pollutant : Yes
Other information : No supplementary information available

14.6. Special precautions for user
- Overland transport
Classification code (ADR) : F1
Special provisions (ADR) : 640D
Limited quantities (ADR) : 5l
Excepted quantities (ADR) : E2
Packing instructions (ADR) : P001, IBC02, R001
Special packing provisions (ADR) : PP1
Mixed packing provisions (ADR) : MP19
Portable tank and bulk container instructions (ADR) : T4
Portable tank and bulk container special provisions (ADR) : TP1, TP8
Tank code (ADR) : LGBF
Vehicle for tank carriage : FL
Transport category (ADR) : 2
Special provisions for carriage - Operation (ADR) : S2, S20
Hazard identification number (Kemler No.) : 33
Orange plates:

Tunnel restriction code (ADR): D/E
EAC code: 3YE

- Transport by sea
Limited quantities (IMDG): 5L
Excepted quantities (IMDG): E2
Packing instructions (IMDG): P001
Special packing provisions (IMDG): PP1
IBC packing instructions (IMDG): IBC02
Tank instructions (IMDG): T4
Tank special provisions (IMDG): TP1, TP8
EmS-No. (Fire): F-E
EmS-No. (Spillage): S-D
Stowage category (IMDG): B
Properties and observations (IMDG): Adhesives are solutions of gums, resins, etc., usually volatile due to the solvents. Miscibility with water depends upon their composition.

- Air transport
PCA Excepted quantities (IATA): E2
PCA Limited quantities (IATA): Y341
PCA limited quantity max net quantity (IATA): 1L
PCA packing instructions (IATA): 353
PCA max net quantity (IATA): 5L
CAO packing instructions (IATA): 364
CAO max net quantity (IATA): 60L
Special provisions (IATA): A3
ERG code (IATA): 3L

Rail transport
No data available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
IBC code: Not applicable.

SECTION 15: REGULATORY INFORMATION

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

EU-Regulations
Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

National regulations

15.2. Chemical safety assessment
No chemical safety assessment has been carried out for the substance or the mixture by the supplier

SECTION 16: OTHER INFORMATION


Date of issue: 30/03/2016
Revision date: 21/11/2019
Supersedes: 30/03/2016
Version: 1.1
Indication of changes: Updated section 1.3
Full text of H- and EUH-statements:

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aquatic Chronic 2</td>
<td>Hazardous to the aquatic environment — Chronic Hazard, Category 2</td>
</tr>
<tr>
<td>Asp. Tox. 1</td>
<td>Aspiration hazard, Category 1</td>
</tr>
<tr>
<td>Eye Irrit. 2</td>
<td>Serious eye damage/eye irritation, Category 2</td>
</tr>
<tr>
<td>Flam. Liq. 2</td>
<td>Flammable liquids, Category 2</td>
</tr>
<tr>
<td>Repr. 2</td>
<td>Reproductive toxicity, Category 2</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>Skin corrosion/irritation, Category 2</td>
</tr>
<tr>
<td>STOT RE 2</td>
<td>Specific target organ toxicity — Repeated exposure, Category 2</td>
</tr>
<tr>
<td>STOT SE 3</td>
<td>Specific target organ toxicity — Single exposure, Category 3, Narcosis</td>
</tr>
<tr>
<td>H225</td>
<td>Highly flammable liquid and vapour</td>
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</tr>
</tbody>
</table>

The information in this safety data sheet is based on information from the manufacturer/supplier, present European and national legislation, and presupposes that the product is used within the specified area of application.