SAFETY DATA SHEET

PK 5 PURGE TRAP 1, Part Number 5190-1446

SECTION 1: Identification of the substance/mixture and of the company/undertaking

This product is considered an article. This Safety Data Sheet is written based on the encapsulated substance or mixture in this article.

1.1 Product identifier

Product name : PK 5 PURGE TRAP 1, Part Number 5190-1446
Part No. (Kit) : 5190-1446
Part No. : CT WOOL-METHANOL WASHED
           TENAX TA 60/80 (HT)

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

Identified uses

Analytical chemistry.
Purge trap
CT WOOL-METHANOL WASHED
TENAX TA 60/80 (HT)

1.3 Details of the supplier of the safety data sheet

Agilent Technologies Manufacturing GmbH & Co. KG
Hewlett-Packard-Str. 8
76337 Waldbronn
Germany
0800 603 1000

e-mail address of person responsible for this SDS : pdl-msds_author@agilent.com

1.4 Emergency telephone number

Emergency telephone number (with hours of operation) : CHEMTREC®: +(44)-870-8200418

SECTION 2: Hazards identification

This article, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. The substance or mixture is encapsulated in the article. Only if released due to use or processing of the article in a manner not in accordance with the product's directions for use it may present potential health and safety hazards.

2.1 Classification of the substance or mixture

Product definition:
CT WOOL-METHANOL WASHED
TENAX TA 60/80 (HT)

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

CT WOOL-METHANOL WASHED
H315 SKIN CORROSION/IRRITATION - Category 2
H319 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
H335 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3

TENAX TA 60/80 (HT)

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SECTION 2: Hazards identification

H315 SKIN CORROSION/IRRITATION - Category 2
H319 SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2
H335 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE (Respiratory tract irritation) - Category 3

See Section 16 for the full text of the H statements declared above.
See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Hazard pictograms:
- CT WOOL-METHANOL WASHED
- TENAX TA 60/80 (HT)

Signal word:
- CT WOOL-METHANOL WASHED: Warning
- TENAX TA 60/80 (HT): Warning

Hazard statements:
- CT WOOL-METHANOL WASHED: H319 - Causes serious eye irritation.
- TENAX TA 60/80 (HT): H319 - Causes serious eye irritation.

Precautionary statements:

Prevention:
- CT WOOL-METHANOL WASHED: P280 - Wear protective gloves. Wear eye or face protection.
- TENAX TA 60/80 (HT): P280 - Wear protective gloves. Wear eye or face protection.
- TENAX TA 60/80 (HT): P261 - Avoid breathing dust.

Response:
- CT WOOL-METHANOL WASHED: P304 + P340 + P312 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.
- TENAX TA 60/80 (HT): P304 + P340 + P312 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.

Storage:
- CT WOOL-METHANOL WASHED: P405 - Store locked up.
- TENAX TA 60/80 (HT): P405 - Store locked up.

Disposal:
- CT WOOL-METHANOL WASHED: P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
- TENAX TA 60/80 (HT): P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label elements:
- CT WOOL-METHANOL WASHED: Not applicable.
- TENAX TA 60/80 (HT): Not applicable.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles:
- CT WOOL-METHANOL WASHED: Not applicable.
- TENAX TA 60/80 (HT): Not applicable.

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SECTION 2: Hazards identification

Special packaging requirements

<table>
<thead>
<tr>
<th>Tactile warning of danger</th>
<th>CT WOOL-METHANOL WASHED</th>
<th>TENAX TA 60/80 (HT)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not applicable.</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

2.3 Other hazards

<table>
<thead>
<tr>
<th>Other hazards which do not result in classification</th>
<th>CT WOOL-METHANOL WASHED</th>
<th>TENAX TA 60/80 (HT)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>None known.</td>
<td>None known.</td>
</tr>
</tbody>
</table>

SECTION 3: Composition/information on ingredients

This article, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. The substance or mixture is encapsulated in the article. Only if released due to use or processing of the article in a manner not in accordance with the product’s directions for use it may present potential health and safety hazards.

3.1 Substances

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Identifiers</th>
<th>%</th>
<th>Regulation (EC) No. 1272/2008 [CLP]</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT WOOL-METHANOL WASHED</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glass, oxide, chemicals</td>
<td>EC: 266-046-0 CAS: 65997-17-3</td>
<td>100</td>
<td>Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335</td>
<td>[A]</td>
</tr>
<tr>
<td>TENAX TA 60/80 (HT)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Poly(oxy[1,1':3',1&quot;-terphenyl]-2',5'-diyl]-</td>
<td>CAS: 24938-68-9</td>
<td>100</td>
<td>Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335</td>
<td>[A]</td>
</tr>
</tbody>
</table>

See Section 16 for the full text of the H statements declared above.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Type

1 Substance classified with a health or environmental hazard
2 Substance with a workplace exposure limit
3 Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII
4 Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII
5 Substance of equivalent concern
6 Additional disclosure due to company policy
A Constituent
B Impurity
C Stabilising additive

SECTION 4: First aid measures

4.1 Description of first aid measures

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**SECTION 4: First aid measures**

**Eye contact**
- **CT WOOL-METHANOL WASHED**
  - Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- **TENAX TA 60/80 (HT)**
  - Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

**Inhalation**
- **CT WOOL-METHANOL WASHED**
  - Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- **TENAX TA 60/80 (HT)**
  - Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Skin contact**
- **CT WOOL-METHANOL WASHED**
  - Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- **TENAX TA 60/80 (HT)**
  - Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**Ingestion**
- **CT WOOL-METHANOL WASHED**
  - Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- **TENAX TA 60/80 (HT)**
  - Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs,
SECTION 4: First aid measures

the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Protection of first-aiders:

- **CT WOOL-METHANOL WASHED**
  - No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

- **TENAX TA 60/80 (HT)**
  - No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

4.2 Most important symptoms and effects, both acute and delayed

**Potential acute health effects**

**Eye contact**

- **CT WOOL-METHANOL WASHED**
  - Causes serious eye irritation.

- **TENAX TA 60/80 (HT)**
  - Causes serious eye irritation.

**Inhalation**

- **CT WOOL-METHANOL WASHED**
  - May cause respiratory irritation.

- **TENAX TA 60/80 (HT)**
  - May cause respiratory irritation.

**Skin contact**

- **CT WOOL-METHANOL WASHED**
  - Causes skin irritation.

- **TENAX TA 60/80 (HT)**
  - Causes skin irritation.

**Ingestion**

- **CT WOOL-METHANOL WASHED**
  - No known significant effects or critical hazards.

- **TENAX TA 60/80 (HT)**
  - No known significant effects or critical hazards.

**Over-exposure signs/symptoms**

**Eye contact**

- **CT WOOL-METHANOL WASHED**
  - Adverse symptoms may include the following:
    - pain or irritation
    - watering
    - redness

- **TENAX TA 60/80 (HT)**
  - Adverse symptoms may include the following:
    - pain or irritation
    - watering
    - redness

**Inhalation**

- **CT WOOL-METHANOL WASHED**
  - Adverse symptoms may include the following:
    - respiratory tract irritation
    - coughing

- **TENAX TA 60/80 (HT)**
  - Adverse symptoms may include the following:
    - respiratory tract irritation
    - coughing

**Skin contact**

- **CT WOOL-METHANOL WASHED**
  - Adverse symptoms may include the following:
    - irritation
    - redness

- **TENAX TA 60/80 (HT)**
  - Adverse symptoms may include the following:
    - irritation
    - redness

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SECTION 4: First aid measures

**Ingestion**
- **CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)**: No specific data.
- **TENAX TA 60/80 (HT)**: No specific data.

**4.3 Indication of any immediate medical attention and special treatment needed**

**Notes to physician**
- **CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)**: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

**Specific treatments**
- **CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)**: No specific treatment.
- **TENAX TA 60/80 (HT)**: No specific treatment.

SECTION 5: Firefighting measures

**5.1 Extinguishing media**

**Suitable extinguishing media**
- **CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)**: Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable extinguishing media**
- **CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)**: None known.

**5.2 Special hazards arising from the substance or mixture**

**Hazardous combustion products**
- **CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)**: No specific fire or explosion hazard.
- **TENAX TA 60/80 (HT)**: Decomposition products may include the following materials:
  - phosphorus oxides
  - metal oxide/oxides
  - carbon dioxide
  - carbon monoxide

**5.3 Advice for firefighters**

**Special precautions for fire-fighters**
- **CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)**: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters**
- **CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)**: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

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**Date of issue/Date of revision**
- 20/07/2017
SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel:
- CT WOOL-METHANOL WASHED: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- TENAX TA 60/80 (HT): No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders:
- CT WOOL-METHANOL WASHED: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- TENAX TA 60/80 (HT): If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions:
- CT WOOL-METHANOL WASHED: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- TENAX TA 60/80 (HT): Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

6.3 Methods and material for containment and cleaning up

Methods for cleaning up:
- CT WOOL-METHANOL WASHED: Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.
- TENAX TA 60/80 (HT): Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

6.4 Reference to other sections:
- See Section 1 for emergency contact information.
- See Section 8 for information on appropriate personal protective equipment.
- See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures:
- CT WOOL-METHANOL WASHED: Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be...
## SECTION 7: Handling and storage

### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage

- **TENAX TA 60/80 (HT)**
  - **CT WOOL-METHANOL WASHED**
    - Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

- **TENAX TA 60/80 (HT)**
  - **TENAX TA 60/80 (HT)**
    - Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

### 7.3 Specific end use(s)

#### Recommendations

- **CT WOOL-METHANOL WASHED**
  - Industrial applications, Professional applications.

- **TENAX TA 60/80 (HT)**
  - Industrial applications, Professional applications.

#### Industrial sector specific solutions

- **CT WOOL-METHANOL WASHED**
  - Not applicable.

- **TENAX TA 60/80 (HT)**
  - Not applicable.
SECTION 8: Exposure controls/personal protection

Since the hazardous ingredient in this article is encapsulated, the risk of exposure by inhalation, ingestion, skin contact and eyes contact is minimum.

8.1 Control parameters

**Occupational exposure limits**

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Exposure limit values</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT WOOL-METHANOL WASHED</td>
<td>EH40/2005 WELs (United Kingdom (UK), 12/2011). TWA: 5 mg/m³ 8 hours.</td>
</tr>
</tbody>
</table>

**Recommended monitoring procedures**

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**DNELs/DMELs**

No DNELs/DMELs available.

**PNECs**

No PNECs available.

8.2 Exposure controls

**Appropriate engineering controls**

Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Individual protection measures**

**Hygiene measures**

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. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection**

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

**Skin protection**

**Hand protection**

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Body protection**

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection**

Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
**SECTION 8: Exposure controls/personal protection**

**Respiratory protection**: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

**Environmental exposure controls**: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

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**SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

**Appearance**

<table>
<thead>
<tr>
<th>Property</th>
<th>CT WOOL-METHANOL WASHED</th>
<th>TENAX TA 60/80 (HT)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical state</strong></td>
<td>Solid. [Fibrous solid.]</td>
<td>Solid.</td>
</tr>
<tr>
<td><strong>Colour</strong></td>
<td>CT WOOL-METHANOL WASHED</td>
<td>Not available.</td>
</tr>
<tr>
<td>TENAX TA 60/80 (HT)</td>
<td>TENAX TA 60/80 (HT)</td>
<td></td>
</tr>
<tr>
<td><strong>Odour</strong></td>
<td>CT WOOL-METHANOL WASHED</td>
<td>Not available.</td>
</tr>
<tr>
<td>TENAX TA 60/80 (HT)</td>
<td>TENAX TA 60/80 (HT)</td>
<td></td>
</tr>
<tr>
<td><strong>Odour threshold</strong></td>
<td>CT WOOL-METHANOL WASHED</td>
<td>Not available.</td>
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<tr>
<td>TENAX TA 60/80 (HT)</td>
<td>TENAX TA 60/80 (HT)</td>
<td></td>
</tr>
<tr>
<td><strong>pH</strong></td>
<td>CT WOOL-METHANOL WASHED</td>
<td>Not available.</td>
</tr>
<tr>
<td>TENAX TA 60/80 (HT)</td>
<td>TENAX TA 60/80 (HT)</td>
<td></td>
</tr>
<tr>
<td><strong>Melting point/freezing point</strong></td>
<td>CT WOOL-METHANOL WASHED</td>
<td>&gt;500°C</td>
</tr>
<tr>
<td>TENAX TA 60/80 (HT)</td>
<td>TENAX TA 60/80 (HT)</td>
<td></td>
</tr>
<tr>
<td><strong>Initial boiling point and boiling range</strong></td>
<td>CT WOOL-METHANOL WASHED</td>
<td>Not available.</td>
</tr>
<tr>
<td>TENAX TA 60/80 (HT)</td>
<td>TENAX TA 60/80 (HT)</td>
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<tr>
<td><strong>Flash point</strong></td>
<td>CT WOOL-METHANOL WASHED</td>
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<tr>
<td>TENAX TA 60/80 (HT)</td>
<td>TENAX TA 60/80 (HT)</td>
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<tr>
<td><strong>Evaporation rate</strong></td>
<td>CT WOOL-METHANOL WASHED</td>
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<tr>
<td>TENAX TA 60/80 (HT)</td>
<td>TENAX TA 60/80 (HT)</td>
<td></td>
</tr>
<tr>
<td><strong>Flammability (solid, gas)</strong></td>
<td>CT WOOL-METHANOL WASHED</td>
<td>Not available.</td>
</tr>
<tr>
<td>TENAX TA 60/80 (HT)</td>
<td>TENAX TA 60/80 (HT)</td>
<td></td>
</tr>
<tr>
<td><strong>Upper/lower flammability or explosive limits</strong></td>
<td>CT WOOL-METHANOL WASHED</td>
<td>Not available.</td>
</tr>
<tr>
<td>TENAX TA 60/80 (HT)</td>
<td>TENAX TA 60/80 (HT)</td>
<td></td>
</tr>
<tr>
<td><strong>Vapour pressure</strong></td>
<td>CT WOOL-METHANOL WASHED</td>
<td>Not available.</td>
</tr>
<tr>
<td>TENAX TA 60/80 (HT)</td>
<td>TENAX TA 60/80 (HT)</td>
<td></td>
</tr>
<tr>
<td><strong>Vapour density</strong></td>
<td>CT WOOL-METHANOL WASHED</td>
<td>Not available.</td>
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<tr>
<td>TENAX TA 60/80 (HT)</td>
<td>TENAX TA 60/80 (HT)</td>
<td></td>
</tr>
<tr>
<td><strong>Relative density</strong></td>
<td>CT WOOL-METHANOL WASHED</td>
<td>2.4 to 3</td>
</tr>
<tr>
<td>TENAX TA 60/80 (HT)</td>
<td>TENAX TA 60/80 (HT)</td>
<td>Not available.</td>
</tr>
</tbody>
</table>
**SECTION 9: Physical and chemical properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)</th>
<th>TENAX TA 60/80 (HT)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Solubility(ies)</strong></td>
<td>Insoluble in the following materials: cold water and hot water.</td>
<td>Insoluble in the following materials: cold water and hot water.</td>
</tr>
<tr>
<td><strong>Partition coefficient: n-octanol/water</strong></td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Auto-ignition temperature</strong></td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Decomposition temperature</strong></td>
<td>Not available.</td>
<td>&gt;1000°C</td>
</tr>
<tr>
<td><strong>Viscosity</strong></td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Explosive properties</strong></td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Oxidising properties</strong></td>
<td>Not available.</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

**9.2 Other information**

No additional information.

**SECTION 10: Stability and reactivity**

| **10.1 Reactivity**                           | CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT) | No specific test data related to reactivity available for this product or its ingredients. |
| **10.2 Chemical stability**                   | CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT) | The product is stable. |
| **10.3 Possibility of hazardous reactions**   | CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT) | Under normal conditions of storage and use, hazardous reactions will not occur. |
| **10.4 Conditions to avoid**                  | CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT) | No specific data. |
| **10.5 Incompatible materials**               | CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT) | May react or be incompatible with oxidising materials. |
| **10.6 Hazardous decomposition products**     | CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT) | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
SECTION 11: Toxicological information

11.1 Information on toxicological effects

**Acute toxicity**

Not available.

**Acute toxicity estimates**

Not available.

**Irritation/Corrosion**

**Conclusion/Summary**: Not available.

**Sensitiser**

**Conclusion/Summary**: Not available.

**Specific target organ toxicity (single exposure)**

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Category</th>
<th>Route of exposure</th>
<th>Target organs</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT WOOL-METHANOL WASHED</td>
<td>Category 3</td>
<td>Not applicable.</td>
<td>Respiratory tract irritation</td>
</tr>
<tr>
<td>Glass, oxide, chemicals</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TENAX TA 60/80 (HT)</td>
<td>Category 3</td>
<td>Not applicable.</td>
<td>Respiratory tract irritation</td>
</tr>
<tr>
<td>Poly(oxy[1,1':3',1''-terphenyl]-2',5'-diyl)-</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Specific target organ toxicity (repeated exposure)**

Not available.

**Aspiration hazard**

Not available.

**Information on likely routes of exposure**

<table>
<thead>
<tr>
<th>Routes of entry anticipated: Oral, Dermal, Inhalation.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT WOOL-METHANOL WASHED                   Routes of entry anticipated: Oral, Dermal, Inhalation.</td>
</tr>
<tr>
<td>TENAX TA 60/80 (HT)                      Routes of entry anticipated: Oral, Dermal, Inhalation.</td>
</tr>
<tr>
<td>Routes of entry anticipated: Oral, Dermal, Inhalation.</td>
</tr>
</tbody>
</table>

**Potential acute health effects**

**Inhalation**

May cause respiratory irritation.

**Ingestion**

No known significant effects or critical hazards.

**Skin contact**

Causes skin irritation.

**Eye contact**

Causes serious eye irritation.

**Symptoms related to the physical, chemical and toxicological characteristics**

**Inhalation**

Adverse symptoms may include the following:

- Respiratory tract irritation
- Coughing

**Ingestion**

No specific data.

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### SECTION 11: Toxicological information

#### Skin contact
- **CT WOOL-METHANOL WASHED**
  - Adverse symptoms may include the following:
    - irritation
    - redness
- **TENAX TA 60/80 (HT)**
  - Adverse symptoms may include the following:
    - irritation
    - redness

#### Eye contact
- **CT WOOL-METHANOL WASHED**
  - Adverse symptoms may include the following:
    - pain or irritation
    - watering
    - redness
- **TENAX TA 60/80 (HT)**
  - Adverse symptoms may include the following:
    - pain or irritation
    - watering
    - redness

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Short term exposure
- **Potential immediate effects**: Not available.
- **Potential delayed effects**: Not available.

#### Long term exposure
- **Potential immediate effects**: Not available.
- **Potential delayed effects**: Not available.

#### Potential chronic health effects

<table>
<thead>
<tr>
<th>Class</th>
<th>Substance</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>General</td>
<td>CT WOOL-METHANOL WASHED</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td></td>
<td>TENAX TA 60/80 (HT)</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>CT WOOL-METHANOL WASHED</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td></td>
<td>TENAX TA 60/80 (HT)</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Mutagenicity</td>
<td>CT WOOL-METHANOL WASHED</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td></td>
<td>TENAX TA 60/80 (HT)</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Teratogenicity</td>
<td>CT WOOL-METHANOL WASHED</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td></td>
<td>TENAX TA 60/80 (HT)</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Developmental effects</td>
<td>CT WOOL-METHANOL WASHED</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td></td>
<td>TENAX TA 60/80 (HT)</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Fertility effects</td>
<td>CT WOOL-METHANOL WASHED</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td></td>
<td>TENAX TA 60/80 (HT)</td>
<td>No known significant effects or critical hazards.</td>
</tr>
</tbody>
</table>

### SECTION 12: Ecological information

#### 12.1 Toxicity
- **Conclusion/Summary**: Not available.

#### 12.2 Persistence and degradability
- Not available.
SECTION 12: Ecological information

12.3 Bioaccumulative potential
Not available.

12.4 Mobility in soil

Soil/water partition coefficient ($K_{oc}$) : Not available.
Mobility : Not available.

12.5 Results of PBT and vPvB assessment
PBT : Not applicable.
vPvB : Not applicable.

12.6 Other adverse effects : No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

Hazardous waste

Packaging

Methods of disposal : The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

This Safety Data Sheet is written based on the encapsulated substance or mixture in this article. Since the hazardous ingredient is encapsulated, the risk of exposure by inhalation, ingestion, skin contact and eyes contact is minimal.

ADR/RID / IMDG / IATA : Not regulated.

14.6 Special precautions for user : Transport within user’s premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code : Not available.

Date of issue/Date of revision : 20/07/2017
SECTION 15: Regulatory information

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

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

CT WOOL-METHANOL WASHED

Not applicable.

TENAX TA 60/80 (HT)

Not applicable.

Other EU regulations

Ozone depleting substances (1005/2009/EU)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Seveso Directive

This product is not controlled under the Seveso Directive.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol (Annexes A, B, C, E)

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

Australia: All components are listed or exempted.
Canada: Not determined.
China: All components are listed or exempted.
Europe: All components are listed or exempted.
Japan: Japan inventory (ENCS); All components are listed or exempted.
Japan inventory (ISHL); All components are listed or exempted.
Malaysia: All components are listed or exempted.
New Zealand: All components are listed or exempted.
Philippines: Not determined.
Republic of Korea: Not determined.
Taiwan: All components are listed or exempted.
Thailand: Not determined.
Turkey: Not determined.
United States: All components are listed or exempted.

Date of issue/Date of revision: 20/07/2017
SECTION 15: Regulatory information

15.2 Chemical safety assessment : This product contains substances for which Chemical Safety Assessments might still be required.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms:
- ATE = Acute Toxicity Estimate
- CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
- DNEL = Derived No Effect Level
- EUH statement = CLP-specific Hazard statement
- PNEC = Predicted No Effect Concentration
- RRN = REACH Registration Number

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

<table>
<thead>
<tr>
<th>Classification</th>
<th>Justification</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT WOOL-METHANOL WASHED</td>
<td>Skin Irrit. 2, H315</td>
</tr>
<tr>
<td>Eye Irrit. 2, H319</td>
<td>Expert judgment</td>
</tr>
<tr>
<td>STOT SE 3, H335</td>
<td>Expert judgment</td>
</tr>
<tr>
<td>TENAX TA 60/80 (HT)</td>
<td>Skin Irrit. 2, H315</td>
</tr>
<tr>
<td>Eye Irrit. 2, H319</td>
<td>Expert judgment</td>
</tr>
<tr>
<td>STOT SE 3, H335</td>
<td>Expert judgment</td>
</tr>
</tbody>
</table>

Full text of abbreviated H statements

CT WOOL-METHANOL WASHED
- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H335: May cause respiratory irritation.

TENAX TA 60/80 (HT)
- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H335: May cause respiratory irritation.

Full text of classifications [CLP/GHS]

CT WOOL-METHANOL WASHED
- Eye Irrit. 2, H319
- Skin Irrit. 2, H315
- STOT SE 3, H335

TENAX TA 60/80 (HT)
- Eye Irrit. 2, H319
- Skin Irrit. 2, H315
- STOT SE 3, H335

Date of issue/Date of revision: 20/07/2017
Date of previous issue: No previous validation.
Version: 1
Notice to reader
SECTION 16: Other information

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