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
CAS number:
CT WOOL-METHANOL WASHED 65997-17-3
TENAX TA 60/80 (HT) 24938-68-9

Part no. (chemical kit): 5190-1446
Part no.:
CT WOOL-METHANOL WASHED I203650
TENAX TA 60/80 (HT) I112510

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

Material uses:
Ana: 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 Mono-constituent substance (encapsulated in article)
TENAX TA 60/80 (HT) Mono-constituent substance (encapsulated in article)

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]
CT WOOL-METHANOL WASHED
H350i CARCINOGENICITY Category 1B

TENAX TA 60/80 (HT)
H315 SKIN CORROSION/IRRITATION Category 2
H319 SERIOUS EYE DAMAGE/EYE IRRITATION Category 2
H335 SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE Category 3
**SECTION 2: Hazards identification**

*(Respiratory tract irritation)*

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

<table>
<thead>
<tr>
<th>Hazard pictograms</th>
<th>CT WOOL-METHANOL WASHED</th>
</tr>
</thead>
<tbody>
<tr>
<td>TENAX TA 60/80 (HT)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Signal word</th>
<th>CT WOOL-METHANOL WASHED</th>
</tr>
</thead>
<tbody>
<tr>
<td>TENAX TA 60/80 (HT)</td>
<td>Danger</td>
</tr>
<tr>
<td></td>
<td>Warning</td>
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</table>

<table>
<thead>
<tr>
<th>Hazard statements</th>
<th>CT WOOL-METHANOL WASHED</th>
</tr>
</thead>
<tbody>
<tr>
<td>TENAX TA 60/80 (HT)</td>
<td>H350i - May cause cancer by inhalation.</td>
</tr>
<tr>
<td></td>
<td>H315 - Causes skin irritation.</td>
</tr>
<tr>
<td></td>
<td>H319 - Causes serious eye irritation.</td>
</tr>
<tr>
<td></td>
<td>H335 - May cause respiratory irritation.</td>
</tr>
</tbody>
</table>

### Precautionary statements

**Prevention**

<table>
<thead>
<tr>
<th>CT WOOL-METHANOL WASHED</th>
</tr>
</thead>
<tbody>
<tr>
<td>TENAX TA 60/80 (HT)</td>
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<td></td>
</tr>
<tr>
<td></td>
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<tr>
<td></td>
</tr>
<tr>
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</tr>
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</table>

**Response**

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>TENAX TA 60/80 (HT)</td>
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<td></td>
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</tbody>
</table>

**Storage**

<table>
<thead>
<tr>
<th>CT WOOL-METHANOL WASHED</th>
</tr>
</thead>
<tbody>
<tr>
<td>TENAX TA 60/80 (HT)</td>
</tr>
</tbody>
</table>

**Disposal**

<table>
<thead>
<tr>
<th>CT WOOL-METHANOL WASHED</th>
</tr>
</thead>
<tbody>
<tr>
<td>TENAX TA 60/80 (HT)</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

**Supplemental label elements**

<table>
<thead>
<tr>
<th>CT WOOL-METHANOL WASHED</th>
</tr>
</thead>
<tbody>
<tr>
<td>TENAX TA 60/80 (HT)</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>CT WOOL-METHANOL WASHED</th>
</tr>
</thead>
<tbody>
<tr>
<td>TENAX TA 60/80 (HT)</td>
</tr>
</tbody>
</table>

**Special packaging requirements**

PK 5 PURGE TRAP 1, Part Number 5190-1446

SECTION 2: Hazards identification

Tactile warning of danger: CT WOOL-METHANOL WASHED Not applicable.
TENAX TA 60/80 (HT) Not applicable.

2.3 Other hazards

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII

<table>
<thead>
<tr>
<th>Hazard</th>
<th>CT WOOL-METHANOL WASHED</th>
<th>TENAX TA 60/80 (HT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PBT</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>P</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>B</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>T</td>
<td>N/A</td>
<td>No</td>
</tr>
<tr>
<td>vP</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>vB</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Other hazards which do not result in classification

- CT WOOL-METHANOL WASHED: None known.
- TENAX TA 60/80 (HT): May form combustible dust concentrations in air.

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>EC: 266-046-0 CAS: 65997-17-3</td>
<td>100</td>
<td>Carc. 1B, H350i</td>
<td>[A]</td>
</tr>
<tr>
<td>TENAX TA 60/80 (HT)</td>
<td>CAS: 24938-68-9</td>
<td>100</td>
<td>Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 See Section 16 for the full text of the H statements declared above.</td>
<td>[A]</td>
</tr>
</tbody>
</table>

There are no additional ingredients present which, within the current knowledge of the supplier, are classified and contribute to the classification of the substance 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

Occupational exposure limits, if available, are listed in Section 8.

Date of issue/Date of revision: 18/07/2022 Date of previous issue: No previous validation Version: 1
SECTION 4: First aid measures

4.1 Description of 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 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. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. 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. 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. 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. 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.
SECTION 4: First aid measures

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
- 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. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

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

Inhalation:
- CT WOOL-METHANOL WASHED
- TENAX TA 60/80 (HT)
May cause respiratory irritation.

Skin contact:
- CT WOOL-METHANOL WASHED
- TENAX TA 60/80 (HT)
No known significant effects or critical hazards.

Ingestion:
- CT WOOL-METHANOL WASHED
- TENAX TA 60/80 (HT)
No known significant effects or critical hazards.

Over-exposure signs/symptoms

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

Inhalation:
- CT WOOL-METHANOL WASHED
- TENAX TA 60/80 (HT)
Adverse symptoms may include the following:
- respiratory tract irritation
- coughing

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

Ingestion:
- CT WOOL-METHANOL WASHED
- 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.

Date of issue/Date of revision: 18/07/2022
Date of previous issue: No previous validation
Version: 1

PK 5 PURGE TRAP 1, Part Number 5190-1446

SECTION 4: First aid measures

Specific treatments:
- CT WOOL-METHANOL WASHED: No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

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

Unsuitable extinguishing media:
- CT WOOL-METHANOL WASHED: None known.
- TENAX TA 60/80 (HT): Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture.

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products:
- CT WOOL-METHANOL WASHED: Decomposition products may include the following materials:
  - phosphorus oxides
  - metal oxides/oxides
- TENAX TA 60/80 (HT): Decomposition products may include the following materials:
  - carbon dioxide
  - carbon monoxide

No specific fire or explosion hazard.

5.3 Advice for firefighters

Special precautions for fire-fighters:
- CT WOOL-METHANOL WASHED: 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.
- 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. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters:
- CT WOOL-METHANOL WASHED: 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.
- 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.

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 spill 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.

Date of issue/Date of revision: 18/07/2022, Date of previous issue: No previous validation, Version: 1
SECTION 6: Accidental release measures

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".

**CT WOOL-METHANOL WASHED**
- Avoid dispersal of spill 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 spill 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).

6.2 Environmental precautions:

**CT WOOL-METHANOL WASHED**
- Move containers from spill area. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. 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. Use spark-proof tools and explosion-proof equipment. 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.

6.3 Methods and material for containment and cleaning up:

**Methods for cleaning up**

<table>
<thead>
<tr>
<th>Material</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CT WOOL-METHANOL WASHED</strong></td>
<td>Move containers from spill area. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor.</td>
</tr>
<tr>
<td><strong>TENAX TA 60/80 (HT)</strong></td>
<td>Move containers from spill area. Use spark-proof tools and explosion-proof equipment. 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.</td>
</tr>
</tbody>
</table>

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**

<table>
<thead>
<tr>
<th>Material</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CT WOOL-METHANOL WASHED</strong></td>
<td>Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. 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 hazardous. Do not reuse container.</td>
</tr>
<tr>
<td><strong>TENAX TA 60/80 (HT)</strong></td>
<td>Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. 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,</td>
</tr>
</tbody>
</table>
SECTION 7: Handling and storage

CT WOOL-METHANOL WASHED
Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

TENAX TA 60/80 (HT)
Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Storage
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)
Store in accordance with local regulations. Store in a segregated and approved area. 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. Eliminate all ignition sources. Separate from oxidising materials. 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 available.

TENAX TA 60/80 (HT)
Not available.
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>NAOSH (Ireland, 1/2020).</td>
</tr>
<tr>
<td>Glass, oxide, chemicals</td>
<td>OELV-8hr: 5 mg/m³ 8 hours. Form: fibres</td>
</tr>
<tr>
<td></td>
<td>OELV-8hr: 0.3 f/ml 8 hours. Form: fibres</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.

**SECTION 9: Physical and chemical properties**

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

### 9.1 Information on basic physical and chemical properties

**Appearance**

<table>
<thead>
<tr>
<th>Physical state</th>
<th>CT WOOL-METHANOL WASHED</th>
<th>TENAX TA 60/80 (HT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colour</td>
<td>CT WOOL-METHANOL WASHED</td>
<td>TENAX TA 60/80 (HT)</td>
</tr>
<tr>
<td>Odour</td>
<td>CT WOOL-METHANOL WASHED</td>
<td>TENAX TA 60/80 (HT)</td>
</tr>
<tr>
<td>Odour threshold</td>
<td>CT WOOL-METHANOL WASHED</td>
<td>TENAX TA 60/80 (HT)</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>CT WOOL-METHANOL WASHED</td>
<td>TENAX TA 60/80 (HT)</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>CT WOOL-METHANOL WASHED</td>
<td>TENAX TA 60/80 (HT)</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>CT WOOL-METHANOL WASHED</td>
<td>TENAX TA 60/80 (HT)</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>CT WOOL-METHANOL WASHED</td>
<td>TENAX TA 60/80 (HT)</td>
</tr>
<tr>
<td>Flash point</td>
<td>CT WOOL-METHANOL WASHED</td>
<td>TENAX TA 60/80 (HT)</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>CT WOOL-METHANOL WASHED</td>
<td>TENAX TA 60/80 (HT)</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>CT WOOL-METHANOL WASHED</td>
<td>TENAX TA 60/80 (HT)</td>
</tr>
<tr>
<td>pH</td>
<td>CT WOOL-METHANOL WASHED</td>
<td>TENAX TA 60/80 (HT)</td>
</tr>
<tr>
<td>Viscosity</td>
<td>CT WOOL-METHANOL WASHED</td>
<td>TENAX TA 60/80 (HT)</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>CT WOOL-METHANOL WASHED</td>
<td>TENAX TA 60/80 (HT)</td>
</tr>
</tbody>
</table>

Insoluble in the following materials: cold water and hot water.
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>Vapour pressure</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.1</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapour density</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Explosive properties</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Oxidising properties</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)</td>
<td>Not available</td>
</tr>
<tr>
<td>Median particle size</td>
<td>CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)</td>
<td>Not available</td>
</tr>
</tbody>
</table>

9.2 Other information

No additional information.

SECTION 10: Stability and reactivity

10.1 Reactivity

<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>Reactivity</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
<td>No specific test data related to reactivity available for this product or its ingredients.</td>
</tr>
</tbody>
</table>

10.2 Chemical stability

<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>Chemical stability</td>
<td>The product is stable</td>
<td>The product is stable</td>
</tr>
</tbody>
</table>

10.3 Possibility of hazardous reactions

<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>Possibility of hazardous reactions</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
<td>Under normal conditions of storage and use, hazardous reactions will not occur.</td>
</tr>
</tbody>
</table>

10.4 Conditions to avoid

<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>Conditions to avoid</td>
<td>No specific data.</td>
<td>Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material. Prevent dust accumulation.</td>
</tr>
</tbody>
</table>

10.5 Incompatible materials

<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>Incompatible materials</td>
<td>May react or be incompatible with oxidising materials.</td>
<td>Reactive or incompatible with the following materials: oxidising materials</td>
</tr>
</tbody>
</table>
SECTION 10: Stability and reactivity

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**
N/A

**Irritation/Corrosion**
- **Conclusion/Summary**: Not available.

**Sensitiser**
- **Conclusion/Summary**: Not available.

**Mutagenicity**
- **Conclusion/Summary**: Not available.

**Carcinogenicity**
- **Conclusion/Summary**: Not available.

**Reproductive toxicity**
- **Conclusion/Summary**: Not available.

**Teratogenicity**
- **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>TENAX TA 60/80 (HT)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Poly(oxy[1,1':3',1''-terphenyl]-2',5'-diyl]-</td>
<td>Category 3</td>
<td>-</td>
<td>Respiratory tract irritated</td>
</tr>
</tbody>
</table>

**Specific target organ toxicity (repeated exposure)**
Not available.

**Aspiration hazard**
Not available.

**Information on likely routes of exposure**
- **CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)**
- **TENAX TA 60/80 (HT)**

**Potential acute health effects**

- **Inhalation**
  - **CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)**
  - Routes of entry anticipated: Oral, Dermal, Inhalation.
  
- **Ingestion**
  - **CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)**
  - Routes of entry anticipated: Oral, Dermal, Inhalation.

- **Skin contact**
  - **CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)**
  - Causes skin irritation.

- **Eye contact**
  - **CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)**
  - Causes serious eye irritation.
### SECTION 11: Toxicological information

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

<table>
<thead>
<tr>
<th>Exposure</th>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)</td>
<td>No specific data.</td>
<td>Adverse symptoms may include the following: respiratory tract irritation coughing</td>
<td></td>
</tr>
<tr>
<td>Ingestion</td>
<td>CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)</td>
<td>No specific data.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skin contact</td>
<td>CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)</td>
<td>No specific data.</td>
<td>Adverse symptoms may include the following: irritation redness</td>
<td></td>
</tr>
<tr>
<td>Eye contact</td>
<td>CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)</td>
<td>No specific data.</td>
<td>Adverse symptoms may include the following: pain or irritation watering redness</td>
<td></td>
</tr>
</tbody>
</table>

#### 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**

**General**: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT) No known significant effects or critical hazards.

- **Carcinogenicity**: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT) May cause cancer by inhalation. Risk of cancer depends on duration and level of exposure. No known significant effects or critical hazards.

- **Mutagenicity**: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT) No known significant effects or critical hazards.

- **Reproductive toxicity**: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT) No known significant effects or critical hazards.

- **Other information**: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT) Adverse symptoms may include the following: pulmonary fibrosis Not available.

### SECTION 12: Ecological information

#### 12.1 Toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT WOOL-METHANOL WASHED</td>
<td>Acute LC50 &gt;1000 mg/l Fresh water</td>
<td>Fish - Danio rerio</td>
<td>96 hours</td>
</tr>
</tbody>
</table>

**Date of issue/Date of revision**: 18/07/2022

**Date of previous issue**: No previous validation

**Version**: 1
SECTION 12: Ecological information

12.2 Persistence and degradability
Not available.

12.3 Bioaccumulative potential
Not available.

12.4 Mobility in soil

<table>
<thead>
<tr>
<th>Soil/water partition coefficient (K_{OC})</th>
<th>Mobility</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not available.</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

12.5 Results of PBT and vPvB assessment

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>PBT</th>
<th>P</th>
<th>B</th>
<th>T</th>
<th>vPvB</th>
<th>vP</th>
<th>vB</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT WOOL-METHANOL WASHED Glass, oxide, chemicals</td>
<td>Not applicable (Inorganic)</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>Not applicable (Inorganic)</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>TENAX TA 60/80 (HT) Poly(oxy[1,1';3',1&quot;-terphenyl]-2',5'-diyl]-</td>
<td>No</td>
<td>N/A</td>
<td>N/A</td>
<td>No</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

<table>
<thead>
<tr>
<th>Product</th>
<th>Methods of disposal</th>
<th>Hazardous waste</th>
<th>Packaging</th>
<th>Special precautions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>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.</td>
<td>The classification of the product may meet the criteria for a hazardous waste.</td>
<td>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.</td>
<td>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.</td>
</tr>
</tbody>
</table>

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 minimum.
PK 5 PURGE TRAP 1, Part Number 5190-1446

SECTION 14: Transport information

<table>
<thead>
<tr>
<th>14.1 UN number</th>
<th>ADR/RID</th>
<th>IMDG</th>
<th>IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>14.2 UN proper shipping name</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>14.3 Transport hazard class(es)</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>14.4 Packing group</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>14.5 Environmental hazards</td>
<td>No.</td>
<td>No.</td>
<td>No.</td>
</tr>
</tbody>
</table>

Additional information

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 IMO instruments: Not available.

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

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>EC number</th>
<th>CAS number</th>
<th>Restriction</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT WOOL-METHANOL WASHED glass, oxide, chemicals</td>
<td>266-046-0</td>
<td>65997-17-3</td>
<td>28</td>
</tr>
</tbody>
</table>

Label: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT) Restricted to professional users. Not applicable.

Other EU regulations

Ozone depleting substances (1005/2009/EU)
Not listed.

Prior Informed Consent (PIC) (649/2012/EU)
Not listed.

Persistent Organic Pollutants
Not listed.

Seveso Directive
This product is not controlled under the Seveso Directive.

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SECTION 15: Regulatory information

### National regulations

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>List name</th>
<th>Name on list</th>
<th>Classification</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT WOOL-METHANOL WASHED glass, oxide, chemicals</td>
<td>Ireland Occupational Exposure Limits</td>
<td>mineral wool</td>
<td>Carc..1B</td>
<td>-</td>
</tr>
</tbody>
</table>

### International regulations

**Chemical Weapon Convention List Schedules I, II & III Chemicals**
Not listed.

**Montreal Protocol**
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**: All components are listed or exempted.
- **China**: All components are listed or exempted.
- **Europe**: All components are listed or exempted.
- **Japan**:
  - Japan inventory (CSCL): All components are listed or exempted.
  - Japan inventory (ISHL): All components are listed or exempted.
- **New Zealand**: All components are listed or exempted.
- **Philippines**: Not determined.
- **Republic of Korea**: All components are listed or exempted.
- **Taiwan**: All components are listed or exempted.
- **Thailand**: Not determined.
- **Turkey**: All components are listed or exempted.
- **United States**: All components are active or exempted.
- **Viet Nam**: Not determined.

### 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]
- DMEL = Derived Minimal Effect Level
- DNEL = Derived No Effect Level
- EUH statement = CLP-specific Hazard statement
- N/A = Not available
- PBT = Persistent, Bioaccumulative and Toxic
- PNEC = Predicted No Effect Concentration
- RRN = REACH Registration Number
- vPvB = Very Persistent and Very Bioaccumulative

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

<table>
<thead>
<tr>
<th>Date of issue/Date of revision</th>
<th>Date of previous issue</th>
<th>Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>18/07/2022</td>
<td>No previous validation</td>
<td>1</td>
</tr>
</tbody>
</table>
SECTION 16: Other information

### Classification and Justification

<table>
<thead>
<tr>
<th>Substance</th>
<th>Classification</th>
<th>Justification</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT WOOL-METHANOL WASHED</td>
<td>Carc. 1B, H350i</td>
<td>Expert judgment</td>
</tr>
<tr>
<td>TENAX TA 60/80 (HT)</td>
<td>Skin Irrit. 2, H315</td>
<td>Expert judgment</td>
</tr>
<tr>
<td></td>
<td>Eye Irrit. 2, H319</td>
<td>Expert judgment</td>
</tr>
<tr>
<td></td>
<td>STOT SE 3, H335</td>
<td>Expert judgment</td>
</tr>
</tbody>
</table>

#### Full text of abbreviated H statements

<table>
<thead>
<tr>
<th>Substance</th>
<th>H Statement</th>
<th>Justification</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT WOOL-METHANOL WASHED</td>
<td>H350i</td>
<td>May cause cancer by inhalation.</td>
</tr>
<tr>
<td>TENAX TA 60/80 (HT)</td>
<td>H315</td>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td></td>
<td>H319</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td></td>
<td>H335</td>
<td>May cause respiratory irritation.</td>
</tr>
</tbody>
</table>

#### Full text of classifications [CLP/GHS]

<table>
<thead>
<tr>
<th>Substance</th>
<th>Carcinogeticity</th>
<th>Eye Irritation</th>
<th>Skin Corrosion</th>
<th>Specific Target Organ Toxicity</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT WOOL-METHANOL WASHED</td>
<td>CARCINOGENICITY - Category 1B</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TENAX TA 60/80 (HT)</td>
<td>SERIOUS EYE DAMAGE/EYE IRRITATION - Category 2</td>
<td>SKIN CORROSION/IRRITATION - Category 2</td>
<td>SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE - Category 3</td>
<td></td>
</tr>
</tbody>
</table>

**Notice to reader**

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