Section 1. Identification

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

Validation date : 7/18/2022

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

Material 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

Supplier/Manufacturer : Agilent Technologies, Inc.
                      : 5301 Stevens Creek Blvd
                      : Santa Clara, CA 95051, USA
                      : 800-227-9770

1.4 Emergency telephone number

In case of emergency : CHEMTREC®: 1-800-424-9300

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

OSHA/HCS status : CT WOOL-METHANOL WASHED
                  : TENAX TA 60/80 (HT)

Classification of the substance or mixture

CT WOOL-METHANOL WASHED
H350            CARCINOGENICITY - Category 1B

TENAX TA 60/80 (HT)
H315            COMBUSTIBLE DUSTS
H319            SKIN IRRITATION - Category 2
H335            EYE IRRITATION - Category 2A
H335            SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

2.2 GHS label elements

Date of issue : 07/18/2022
Section 2. Hazards identification

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

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

Hazard statements:
- CT WOOL-METHANOL WASHED:
  - H350 - May cause cancer. (inhalation)
- TENAX TA 60/80 (HT):
  - H315 - Causes skin irritation.
  - H319 - Causes serious eye irritation.
  - H335 - May cause respiratory irritation.
  - May form combustible dust concentrations in air.

Precautionary statements

Prevention:
- CT WOOL-METHANOL WASHED:
  - P201 - Obtain special instructions before use.
  - P280 - Wear protective gloves, protective clothing and eye or face protection.
- TENAX TA 60/80 (HT):
  - P280 - Wear protective gloves. Wear eye or face protection.
  - P261 - Avoid breathing dust or mist.
  - P264 - Wash thoroughly after handling.

Response:
- CT WOOL-METHANOL WASHED:
  - P308 + P313 - IF exposed or concerned: Get medical advice or attention.
  - P304 + P312 - IF INHALED: Call a POISON CENTER or doctor if you feel unwell.
  - P362 + P364 - Take off contaminated clothing and wash it before reuse.
  - P302 + P352 - IF ON SKIN: Wash with plenty of water.
  - P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - P337 + P313 - If eye irritation persists: Get medical advice or attention.
- TENAX TA 60/80 (HT):
  - P304 + P312 - IF INHALED: Call a POISON CENTER or doctor if you feel unwell.
  - P362 + P364 - Take off contaminated clothing and wash it before reuse.
  - P302 + P352 - IF ON SKIN: Wash with plenty of water.
  - P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - P337 + P313 - If eye irritation persists: Get medical advice or attention.

Storage:
- CT WOOL-METHANOL WASHED:
  - Not applicable.
  - TENAX TA 60/80 (HT):
  - P403 + P233 - Store in a well-ventilated place. Keep container tightly closed.

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:
  - None known.
  - TENAX TA 60/80 (HT):
  - Keep container tightly closed. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Prevent dust accumulation.

2.3 Other hazards

Hazards not otherwise classified:
- CT WOOL-METHANOL WASHED:
  - None known.
  - TENAX TA 60/80 (HT):
  - None known.
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.

<table>
<thead>
<tr>
<th>Substance/mixture</th>
<th>Ingredient name</th>
<th>%</th>
<th>CAS number</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT WOOL-METHANOL WASHED</td>
<td>Glass, oxide, chemicals</td>
<td>100</td>
<td>65997-17-3</td>
</tr>
<tr>
<td>TENAX TA 60/80 (HT)</td>
<td>Poly[oxy{1,1':3',1&quot;-terphenyl]-2',5'-diyl]}-</td>
<td>100</td>
<td>24938-68-9</td>
</tr>
</tbody>
</table>

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

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

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

Section 4. First aid measures

4.1 Description of necessary 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 unconscious, place in recovery position and get medical attention immediately.
Section 4. First aid measures

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. 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. 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. 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.

4.2 Most important symptoms/effects, acute and delayed

**Potential acute health effects**

<table>
<thead>
<tr>
<th>Effect</th>
<th>CT WOOL-METHANOL WASHED</th>
<th>TENAX TA 60/80 (HT)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Eye contact</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>No known significant effects or critical hazards.</td>
<td>Causes serious eye irritation.</td>
</tr>
<tr>
<td><strong>Inhalation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>No known significant effects or critical hazards.</td>
<td>May cause respiratory irritation.</td>
</tr>
<tr>
<td><strong>Skin contact</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>No known significant effects or critical hazards.</td>
<td>Causes skin irritation.</td>
</tr>
<tr>
<td><strong>Ingestion</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>No known significant effects or critical hazards.</td>
<td>No known significant effects or critical hazards.</td>
</tr>
</tbody>
</table>

**Over-exposure signs/symptoms**
Section 4. First aid measures

### Eye contact
- **CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)**: No specific data.
  - Adverse symptoms may include the following:
    - pain or irritation
    - watering
    - redness

### Inhalation
- **CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)**: No specific data.
  - Adverse symptoms may include the following:
    - respiratory tract irritation
    - coughing

### Skin contact
- **CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)**: No specific data.
  - Adverse symptoms may include the following:
    - irritation
    - redness

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

### Protection of first-aiders
- **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.

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

### Indication of immediate medical attention and special treatment needed, if necessary

#### 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.
  - 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.
  - No specific treatment.

#### 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.

### See toxicological information (Section 11)

Section 5. Fire-fighting 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.
    - Use dry chemical powder.

- **Unsuitable extinguishing media**
  - **CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)**: None known.
    - 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
- **Specific hazards arising from the chemical**
  - **CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)**: No specific fire or explosion hazard.
    - May form explosible dust-air mixture if dispersed.
Section 5. Fire-fighting measures

<table>
<thead>
<tr>
<th>Hazardous thermal decomposition products</th>
<th>CT WOOL-METHANOL WASHED</th>
<th>Decomposition products may include the following materials: phosphorus oxides metal oxide/oxides</th>
</tr>
</thead>
<tbody>
<tr>
<td>TENAX TA 60/80 (HT)</td>
<td></td>
<td>Decomposition products may include the following materials: carbon dioxide carbon monoxide</td>
</tr>
</tbody>
</table>

5.3 Advice for firefighters

<table>
<thead>
<tr>
<th>Special protective actions for fire-fighters</th>
<th>CT WOOL-METHANOL WASHED</th>
<th>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.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TENAX TA 60/80 (HT)</td>
<td>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.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Special protective equipment for fire-fighters</th>
<th>CT WOOL-METHANOL WASHED</th>
<th>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TENAX TA 60/80 (HT)</td>
<td>Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.</td>
</tr>
</tbody>
</table>

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

<table>
<thead>
<tr>
<th>For non-emergency personnel</th>
<th>CT WOOL-METHANOL WASHED</th>
<th>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 spilled material. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TENAX TA 60/80 (HT)</td>
<td>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 spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>For emergency responders</th>
<th>CT WOOL-METHANOL WASHED</th>
<th>If specialized 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 &quot;For non-emergency personnel&quot;. If specialized 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 &quot;For non-emergency personnel&quot;.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TENAX TA 60/80 (HT)</td>
<td>If specialized 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 &quot;For non-emergency personnel&quot;. If specialized 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 &quot;For non-emergency personnel&quot;.</td>
</tr>
</tbody>
</table>
# Section 6. Accidental release measures

### 6.2 Environmental precautions

<table>
<thead>
<tr>
<th>Substance</th>
<th>Precautions</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT WOOL-METHANOL WASHED</td>
<td>Avoid dispersal of spilled 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).</td>
</tr>
<tr>
<td>TENAX TA 60/80 (HT)</td>
<td>Avoid dispersal of spilled 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).</td>
</tr>
</tbody>
</table>

### 6.3 Methods and materials for containment and cleaning up

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

# Section 7. Handling and storage

### 7.1 Precautions for safe handling

<table>
<thead>
<tr>
<th>Protective measures</th>
<th>Precautions</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT WOOL-METHANOL WASHED</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>TENAX TA 60/80 (HT)</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, kept tightly closed when not in use. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue</td>
</tr>
</tbody>
</table>
Section 7. Handling and storage

Advice on general occupational hygiene:

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:

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 unlabeled 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 oxidizing 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 unlabeled 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

**Occasional exposure limits**

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Exposure limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>TENAX TA 60/80 (HT)</td>
<td>None.</td>
</tr>
<tr>
<td>CT WOOL-METHANOL WASHED</td>
<td>NIOSH REL (United States, 10/2020). TWA: 3 f/cc 10 hours.</td>
</tr>
<tr>
<td></td>
<td>TWA: 3 f/cc 10 hours. Form: Fibers of spec length</td>
</tr>
<tr>
<td></td>
<td>TWA: 5 mg/m³ 10 hours. Form: Total</td>
</tr>
<tr>
<td></td>
<td>ACGIH TLV (United States, 1/2021). TWA: 5 mg/m³ 8 hours. Form: Inhalable fraction</td>
</tr>
<tr>
<td></td>
<td>TWA: 1 f/cc 8 hours. Form: Respirable fibers: length greater than 5 uM; aspect ratio equal to or greater than 3:1 as determined by the membrane filter method at 400-450X magnification (4-mm objective) phase contrast illumination.</td>
</tr>
</tbody>
</table>

8.2 Exposure controls

**Appropriate engineering controls**

Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor 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.

**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.

**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**

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.
Section 8. Exposure controls/personal protection

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.

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.

Section 9. Physical and chemical properties and safety characteristics

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

Appearance

<table>
<thead>
<tr>
<th>Physical state</th>
<th>CT WOOL-METHANOL WASHED</th>
<th>TENAX TA 60/80 (HT)</th>
<th>Solid. [Fibers.]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>CT WOOL-METHANOL WASHED</td>
<td>TENAX TA 60/80 (HT)</td>
<td>White.</td>
</tr>
<tr>
<td>Odor</td>
<td>CT WOOL-METHANOL WASHED</td>
<td>TENAX TA 60/80 (HT)</td>
<td>Odorless.</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>CT WOOL-METHANOL WASHED</td>
<td>TENAX TA 60/80 (HT)</td>
<td>Not available.</td>
</tr>
<tr>
<td>pH</td>
<td>CT WOOL-METHANOL WASHED</td>
<td>TENAX TA 60/80 (HT)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>CT WOOL-METHANOL WASHED</td>
<td>TENAX TA 60/80 (HT)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Boiling point, initial boiling point, and boiling range</td>
<td>CT WOOL-METHANOL WASHED</td>
<td>TENAX TA 60/80 (HT)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flash point</td>
<td>CT WOOL-METHANOL WASHED</td>
<td>TENAX TA 60/80 (HT)</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>CT WOOL-METHANOL WASHED</td>
<td>TENAX TA 60/80 (HT)</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Flammability</td>
<td>CT WOOL-METHANOL WASHED</td>
<td>TENAX TA 60/80 (HT)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Lower and upper explosion limit/flammability limit</td>
<td>CT WOOL-METHANOL WASHED</td>
<td>TENAX TA 60/80 (HT)</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>CT WOOL-METHANOL WASHED</td>
<td>TENAX TA 60/80 (HT)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Relative vapor density</td>
<td>CT WOOL-METHANOL WASHED</td>
<td>TENAX TA 60/80 (HT)</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Relative density</td>
<td>CT WOOL-METHANOL WASHED</td>
<td>TENAX TA 60/80 (HT)</td>
<td>1.1</td>
</tr>
<tr>
<td>Solubility</td>
<td>CT WOOL-METHANOL WASHED</td>
<td>TENAX TA 60/80 (HT)</td>
<td>Insoluble in the following materials: cold water and hot water.</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>CT WOOL-METHANOL WASHED</td>
<td>TENAX TA 60/80 (HT)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>CT WOOL-METHANOL WASHED</td>
<td>TENAX TA 60/80 (HT)</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>CT WOOL-METHANOL WASHED</td>
<td>TENAX TA 60/80 (HT)</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

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Section 9. Physical and chemical properties and safety characteristics

**Viscosity**

- **CT WOOL-METHANOL WASHED**
  - TENAX TA 60/80 (HT)
  - Not applicable.

- **TENAX TA 60/80 (HT)**
  - Not applicable.

**Particle characteristics**

**Median particle size**

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

- **TENAX TA 60/80 (HT)**
  - Not available.

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.
  - 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 grounding and bonding containers and equipment before transferring material. Prevent dust accumulation.

**10.5 Incompatible materials**

- **CT WOOL-METHANOL WASHED**
  - TENAX TA 60/80 (HT)
  - May react or be incompatible with oxidizing materials.
  - Reactive or incompatible with the following materials:
    - oxidizing 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.

**Irritation/Corrosion**

- Not available.

**Sensitization**

- Not available.

**Mutagenicity**

**Conclusion/Summary**

- Not available.

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Section 11. Toxicological information

Carcinogenicity
Conclusion/Summary: Not available.

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>OSHA</th>
<th>IARC</th>
<th>NTP</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT WOOL-METHANOL WASHED</td>
<td></td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Glass, oxide, chemicals</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Reproductive toxicity
Conclusion/Summary: Not available.

Teratogenicity
Conclusion/Summary: Not available.

Specific target organ toxicity (single exposure)

<table>
<thead>
<tr>
<th>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>Category 3</td>
<td>-</td>
<td>Respiratory tract irritation</td>
</tr>
<tr>
<td>Poly(oxy[1,1':3',1&quot;-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 the likely routes of exposure
CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)

Potential acute health effects

Eye contact
CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)
No known significant effects or critical hazards. Causes serious eye irritation.

Inhalation
CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)
No known significant effects or critical hazards. May cause respiratory irritation.

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

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

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact
CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)
No specific data. Adverse symptoms may include the following: pain or irritation, watering, redness.

Inhalation
CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)
No specific data. Adverse symptoms may include the following: respiratory tract irritation, coughing.

Skin contact
CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT)
No specific data. Adverse symptoms may include the following: irritation, redness.

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Section 11. Toxicological information

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

#### Delayed and immediate effects and also 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**: No known significant effects or critical hazards. Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.
- **Carcinogenicity**: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT) May cause cancer if inhaled. Risk of cancer depends on duration and level of exposure.
- **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.

#### Numerical measures of toxicity

##### Acute toxicity estimates
- **N/A**

##### 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><strong>CT WOOL-METHANOL WASHED</strong></td>
<td>Glass, oxide, chemicals</td>
<td>Acute LC50 &gt;1000 mg/l Fresh water</td>
<td>Fish - Danio rerio</td>
</tr>
</tbody>
</table>

#### 12.2 Persistence and degradability
- Not available.

#### 12.3 Bioaccumulative potential
- Not available.

#### 12.4 Mobility in soil
- **Soil/water partition coefficient (Koc)**: Not available.

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Section 12. Ecological information

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

Section 13. Disposal considerations

13.1 Waste treatment methods

Disposal methods: The generation of waste should be avoided or minimized 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. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. 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 spilled material and runoff and contact with soil, waterways, drains and sewers.

Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

The information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

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.

DOT / TDG / Mexico / IMDG / IATA: Not regulated.

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.

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

U.S. Federal regulations: TSCA 8(a) CDR Exempt/Partial exemption: Not determined

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs): Listed

Clean Air Act Section 602 Class I Substances: Not listed

Clean Air Act Section 602 Class II Substances: Not listed

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Section 15. Regulatory information

DEA List I Chemicals (Precursor Chemicals) : Not listed
DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304
Composition/information on ingredients
No products were found.

SARA 304 RQ : Not applicable.
SARA 311/312
Classification

<table>
<thead>
<tr>
<th>Name</th>
<th>%</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT WOOL-METHANOL WASHED</td>
<td>100</td>
<td>CARCINOGENICITY - Category 1B</td>
</tr>
<tr>
<td>TENAX TA 60/80 (HT)</td>
<td>100</td>
<td>COMBUSTIBLE DUSTS SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3</td>
</tr>
</tbody>
</table>

Composition/information on ingredients

State regulations
Massachusetts : The following components are listed: FIBROUS GLASS
New York : None of the components are listed.
New Jersey : None of the components are listed.
Pennsylvania : None of the components are listed.
California Prop. 65
This product does not require a Safe Harbor warning under California Prop. 65.

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.

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Section 15. Regulatory information

<table>
<thead>
<tr>
<th>Country</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>China</td>
<td>All components are listed or exempted.</td>
</tr>
<tr>
<td>Europe</td>
<td>All components are listed or exempted.</td>
</tr>
</tbody>
</table>
| 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.                             |

Section 16. Other information

**Procedure used to derive the classification**

<table>
<thead>
<tr>
<th>Classification</th>
<th>Justification</th>
</tr>
</thead>
</table>
| **CT WOOL-METHANOL WASHED**  
Carcinogenicity - Category 1B                                                  | Expert judgment       |
| **TENAX TA 60/80 (HT)**  
Combustible Dusts                                                              | On basis of test data |
| Skin Irritation - Category 2                                                  | Expert judgment       |
| Eye Irritation - Category 2A                                                  | Expert judgment       |
| Specific Target Organ Toxicity (Single Exposure) (Respiratory tract irritation) - Category 3 | Expert judgment       |

**History**

<table>
<thead>
<tr>
<th>Date of issue</th>
<th>07/18/2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of previous issue</td>
<td>07/10/2019</td>
</tr>
<tr>
<td>Version</td>
<td>7</td>
</tr>
</tbody>
</table>

**Key to abbreviations**

- ATE = Acute Toxicity Estimate
- BCF = Bioconcentration Factor
- GHS = Globally Harmonized System of Classification and Labelling of Chemicals
- IATA = International Air Transport Association
- IBC = Intermediate Bulk Container
- IMDG = International Maritime Dangerous Goods
- LogPow = logarithm of the octanol/water partition coefficient
- N/A = Not available
- UN = United Nations

*Indicates information that has changed from previously issued version.*

**Notice to reader**

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