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 I203650
TENAX TA 60/80 (HT) I112510
Validation date : 7/20/2017

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

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

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Section 2. Hazards identification

2.2 GHS 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.
  - H315 - Causes skin irritation.
  - H335 - May cause respiratory irritation.

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

**Precautionary statements**

**Prevention**

- **CT WOOL-METHANOL WASHED**
  - P280 - Wear protective gloves. Wear eye or face protection.
  - P271 - Use only outdoors or in a well-ventilated area.
  - P261 - Avoid breathing dust.
  - P264 - Wash hands thoroughly after handling.

- **TENAX TA 60/80 (HT)**
  - P280 - Wear protective gloves. Wear eye or face protection.
  - P271 - Use only outdoors or in a well-ventilated area.
  - P261 - Avoid breathing dust.
  - P264 - Wash hands thoroughly after handling.

**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.
  - P302 + P352 + P362 + P364 - IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse.
  - P332 + P313 - If skin irritation occurs: Get medical attention.
  - 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 attention.

- **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.
  - P302 + P352 + P362 + P364 - IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse.
  - P332 + P313 - If skin irritation occurs: Get medical attention.
  - P305 + P351 + P338 - IF IN EYES: Rinse carefully with plenty of soap and water. Remove any contact lenses if present and easy to remove. Keep continue rinsing.

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Section 2. Hazards identification

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 attention.

Storage:

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

Disposal:

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

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.

Substance/mixture:

CT WOOL-METHANOL WASHED
TENAX TA 60/80 (HT)
Substance (encapsulated in article)

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

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 as hazardous to health or the environment 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
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.

CT WOOL-METHANOL WASHED
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.

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Section 4. First aid measures

**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

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Section 4. First aid measures

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

Eye contact: CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT) Causes serious eye irritation.

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) Causes skin irritation.

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) Adverse symptoms may include the following:
- pain or irritation
- watering
- redness

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) Adverse symptoms may include the following:
- irritation
- redness

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

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

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Section 4. First aid measures

Notes to physician:
- **CT WOOL-METHANOL WASHED**: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- **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**: No specific treatment.
- **TENAX TA 60/80 (HT)**: No specific treatment.

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.

Notes to physician:
- **CT WOOL-METHANOL WASHED**: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
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Specific treatments:
- **CT WOOL-METHANOL WASHED**: No specific treatment.
- **TENAX TA 60/80 (HT)**: No specific treatment.

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.

See toxicological information (Section 11)

Section 5. Fire-fighting 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 an extinguishing agent suitable for the surrounding fire.

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

5.2 Special hazards arising from the substance or mixture

**Specific hazards arising from the chemical**:
- **CT WOOL-METHANOL WASHED**: No specific fire or explosion hazard.
- **TENAX TA 60/80 (HT)**: No specific fire or explosion hazard.

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

5.3 Advice for firefighters

**Special protective actions 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.
Section 5. Fire-fighting measures

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.
- **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.

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 spilled 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 spilled 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 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 "For non-emergency personnel".
- **TENAX TA 60/80 (HT)**: 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 "For non-emergency personnel".

6.2 Environmental precautions:
- **CT WOOL-METHANOL WASHED**: 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).
- **TENAX TA 60/80 (HT)**: 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).

6.3 Methods and materials 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
Section 6. Accidental release measures

designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

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 hazardous. Do not reuse container.

TENAX TA 60/80 (HT)

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 hazardous. Do not reuse container.

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 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.
Section 7. Handling and storage

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 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>Ingredient name</th>
<th>Exposure limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT WOOL-METHANOL WASHED Glass, oxide, chemicals</td>
<td>NIOSH REL (United States, 10/2013). TWA: 3 f/cc 10 hours. Form: Fibers of spec length</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, 3/2016). 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>
<tr>
<td>TENAX TA 60/80 (HT) Poly(oxy[1,1':3',1&quot;-terphenyl]-2',5&quot;-diyl)-</td>
<td>None.</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

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Section 8. Exposure controls/personal protection

**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.

**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

### 9.1 Information on basic physical and chemical properties

**Appearance**
- **Physical state**
  - CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT) Solid. [Fibrous solid.]
  - TENAX TA 60/80 (HT) Solid.

- **Color**
  - CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT) White.

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

- **Odor threshold**
  - Not available.

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

- **Melting point**
  - CT WOOL-METHANOL WASHED TENAX TA 60/80 (HT) >500°C (>932°F)

- **Boiling point**
  - Not available.

- **Flash point**
  - Not available.

- **Evaporation rate**
  - Not available.

- **Flammability (solid, gas)**
  - Not available.

- **Lower and upper explosive (flammable) limits**
  - Not available.

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Section 9. Physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>CT WOOL-METHANOL WASHED</th>
<th>TENAX TA 60/80 (HT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vapor pressure</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Relative density</td>
<td>2.4 to 3</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility</td>
<td>Insoluble in following materials: cold water and hot water.</td>
<td>Insoluble in following materials: cold water and hot water.</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not available</td>
<td>Not available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>&gt;1000°C (&gt;1832°F)</td>
<td>Not available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Not available</td>
<td>Not available</td>
</tr>
</tbody>
</table>

Section 10. Stability and reactivity

10.1 Reactivity

CT WOOL-METHANOL WASHED: No specific test data related to reactivity available for this product or its ingredients. 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: The product is stable. TENAX TA 60/80 (HT): The product is stable.

10.3 Possibility of hazardous reactions

CT WOOL-METHANOL WASHED: Under normal conditions of storage and use, hazardous reactions will not occur. 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: No specific data. TENAX TA 60/80 (HT): No specific data.

10.5 Incompatible materials

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

10.6 Hazardous decomposition products

CT WOOL-METHANOL WASHED: Under normal conditions of storage and use, hazardous decomposition products should not be produced. 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
Not available.

Carcinogenicity
Not available.

Reproductive toxicity
Not available.

Teratogenicity
Not available.

Classification

<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 Glass, oxide, chemicals</td>
<td>-</td>
<td>3</td>
<td>-</td>
</tr>
</tbody>
</table>

Reproductive toxicity
Not available.

Teratogenicity
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>CT WOOL-METHANOL WASHED Glass, oxide, chemicals</td>
<td>Category 3</td>
<td>Not applicable.</td>
<td>Respiratory tract irritation</td>
</tr>
<tr>
<td>TENAX TA 60/80 (HT) Poly(oxy[1,1':3',1&quot;-terphenyl]-2',5'-diyl)-</td>
<td>Category 3</td>
<td>Not applicable.</td>
<td>Respiratory tract irritation</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 Routes of entry anticipated: Oral, Dermal, Inhalation.

TENAX TA 60/80 (HT) Routes of entry anticipated: Oral, Dermal, Inhalation.

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.

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Section 11. Toxicological information

Skin contact

<table>
<thead>
<tr>
<th></th>
<th>CT WOOL-METHANOL WASHED</th>
<th>TENAX TA 60/80 (HT)</th>
<th>Causes skin irritation.</th>
<th>Causes skin irritation.</th>
</tr>
</thead>
</table>

Ingestion

<table>
<thead>
<tr>
<th></th>
<th>CT WOOL-METHANOL WASHED</th>
<th>TENAX TA 60/80 (HT)</th>
<th>No known significant effects or critical hazards.</th>
<th>No known significant effects or critical hazards.</th>
</tr>
</thead>
</table>

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact

<table>
<thead>
<tr>
<th></th>
<th>CT WOOL-METHANOL WASHED</th>
<th>TENAX TA 60/80 (HT)</th>
<th>Adverse symptoms may include the following:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>pain or irritation</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>watering</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>redness</td>
</tr>
</tbody>
</table>

Inhalation

<table>
<thead>
<tr>
<th></th>
<th>CT WOOL-METHANOL WASHED</th>
<th>TENAX TA 60/80 (HT)</th>
<th>Adverse symptoms may include the following:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>respiratory tract irritation</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>coughing</td>
</tr>
</tbody>
</table>

Skin contact

<table>
<thead>
<tr>
<th></th>
<th>CT WOOL-METHANOL WASHED</th>
<th>TENAX TA 60/80 (HT)</th>
<th>Adverse symptoms may include the following:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>irritation</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>redness</td>
</tr>
</tbody>
</table>

Ingestion

<table>
<thead>
<tr>
<th></th>
<th>CT WOOL-METHANOL WASHED</th>
<th>TENAX TA 60/80 (HT)</th>
<th>No specific data.</th>
<th>No specific data.</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th></th>
<th>CT WOOL-METHANOL WASHED</th>
<th>TENAX TA 60/80 (HT)</th>
<th>No known significant effects or critical hazards.</th>
<th>No known significant effects or critical hazards.</th>
</tr>
</thead>
</table>

Carcinogenicity

<table>
<thead>
<tr>
<th></th>
<th>CT WOOL-METHANOL WASHED</th>
<th>TENAX TA 60/80 (HT)</th>
<th>No known significant effects or critical hazards.</th>
<th>No known significant effects or critical hazards.</th>
</tr>
</thead>
</table>

Mutagenicity

<table>
<thead>
<tr>
<th></th>
<th>CT WOOL-METHANOL WASHED</th>
<th>TENAX TA 60/80 (HT)</th>
<th>No known significant effects or critical hazards.</th>
<th>No known significant effects or critical hazards.</th>
</tr>
</thead>
</table>

Teratogenicity

<table>
<thead>
<tr>
<th></th>
<th>CT WOOL-METHANOL WASHED</th>
<th>TENAX TA 60/80 (HT)</th>
<th>No known significant effects or critical hazards.</th>
<th>No known significant effects or critical hazards.</th>
</tr>
</thead>
</table>

Developmental effects

<table>
<thead>
<tr>
<th></th>
<th>CT WOOL-METHANOL WASHED</th>
<th>TENAX TA 60/80 (HT)</th>
<th>No known significant effects or critical hazards.</th>
<th>No known significant effects or critical hazards.</th>
</tr>
</thead>
</table>

Fertility effects

<table>
<thead>
<tr>
<th></th>
<th>CT WOOL-METHANOL WASHED</th>
<th>TENAX TA 60/80 (HT)</th>
<th>No known significant effects or critical hazards.</th>
<th>No known significant effects or critical hazards.</th>
</tr>
</thead>
</table>

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Section 11. Toxicological information

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Section 12. Ecological information

12.1 Toxicity

Not available.

12.2 Persistence and degradability

Not available.

12.3 Bioaccumulative potential

Not available.

12.4 Mobility in soil

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

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.

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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 Annex II of MARPOL and the IBC Code : 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
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 : CT WOOL-METHANOL WASHED Immediate (acute) health hazard
TENAX TA 60/80 (HT) Immediate (acute) health hazard

Composition/information on ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>%</th>
<th>Fire hazard</th>
<th>Sudden release of pressure</th>
<th>Reactive</th>
<th>Immediate (acute) health hazard</th>
<th>Delayed (chronic) health hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>CT WOOL-METHANOL WASHED Glass, oxide, chemicals</td>
<td>100</td>
<td>No.</td>
<td>No.</td>
<td>No.</td>
<td>Yes.</td>
<td>No.</td>
</tr>
<tr>
<td>TENAX TA 60/80 (HT) Poly(oxy[1,1'-3',1''-terphenyl]-2',5'-diyl)-</td>
<td>100</td>
<td>No.</td>
<td>No.</td>
<td>No.</td>
<td>Yes.</td>
<td>No.</td>
</tr>
</tbody>
</table>

State regulations

Massachusetts : The following components are listed: FIBROUS GLASS

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Section 15. Regulatory information

- **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**
- Not available.

**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.
- **Viet Nam**: Not determined.

Section 16. Other information

**History**

- **Date of issue**: 07/20/2017
- **Date of previous issue**: 11/24/2015.
- **Version**: 5

- Indicates information that has changed from previously issued version.

**Notice to reader**

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